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( Not for submission under 37 CER 1 99)

Patent Number

Examiner Cite

Initial\* No

Application Number Filing Date First Named Inventor Ryan Art Unit		10691918		
		2003-10-23		
		n Beehler		
		2612		
Examiner Name	Shin	nizu, Matsuichiro		
Attorney Docket Number		8002AC-88		

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1	4754255		1988-06	3-28	Sanders et al				
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1	20030141987		2003-07	7-31	Hayes				
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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

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